

**IN THE CLAIMS:**

**Please cancel claims ~~1-32~~ and ~~35~~ without prejudice.**

**REMARKS**

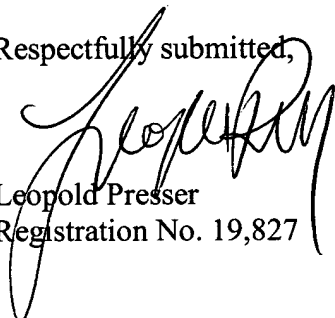
The specification has been amended to add the cross-reference to the parent application. The specification has also been amended to insert the sequence identifiers. No new matter is introduced.

Claims 1-32 and 35 have been canceled without prejudice as drawn to non-elected embodiments. Applicants reserve the right to pursue the subject matter of the canceled claims in one or more divisional applications.

Attached hereto is a marked-up copy of the amendment to the claims, captioned "Version with Markings to Show Changes Made."

It is respectfully submitted that the present case is in condition for examination on merits, which action is earnestly solicited.

Respectfully submitted,

  
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Enclosure: Version with Markings to Show Changes Made

Serial No.: TO BE ASSIGNED

**Version with Markings to Show Changes Made**

**IN THE SPECIFICATION:**

**Please insert the following paragraph at page 1, line 2:**

**--CROSS-REFERENCE TO RELATED APPLICATION**

This application is a divisional of U.S. Serial No. 09/436,164, filed on November 9, 1999.--

**Please amend the paragraph beginning at page 31, line 18 as follows:**

--To monitor expression of Oct-4, RT-PCR was carried out on colonies consisting predominantly of stem cells, or colonies which had undergone spontaneous differentiation as described below. mRNA was isolated on magnetic beads (Dynal AS, Oslo) following cell lysis according to the manufacturer's instructions, and solid-phase first strand cDNA synthesis was performed using Superscript II reverse transcriptase (Life Technologies). OCT-4 transcripts were assayed using the following primers: 5'-CGTTCTCTTTGGAAAGGTGTTTC (forward) (SEQ ID NO: 1) and 3'-ACACTCGGACCACGTCTTTC (reverse) (SEQ ID NO: 2). As a control for mRNA quality, betaactin transcripts were assayed using the same RT-PCR and the following primers: 5'-CGCACCCTGGCATTGTCAT-3' (forward) (SEQ ID NO: 3), 5'-TTCTCCTTGATGTCACGCAC-3' (reverse) (SEQ ID NO: 4). Products were analyzed on a 1.5% agarose gel and visualized by ethidium bromide staining.--

**Please amend the paragraph beginning at page 32, line 19 as follows:**

--Clusters of cells destined to give rise to neural precursors were identified by their characteristic morphological features in central areas of ES cell colonies 2-3 weeks after plating. The clusters were dissected mechanically by a micropipette and replated in fresh serum free

NAME	AGE	SEX	RELATION	DATE	TIME	PLACE	REMARKS
John Smith	25	M	Head	1890	10	St. Paul	Went to school
Mary Smith	22	F	Wife	1890	10	St. Paul	Went to school
James Smith	18	M	Son	1890	10	St. Paul	Went to school
Elizabeth Smith	15	F	Daughter	1890	10	St. Paul	Went to school
William Smith	12	M	Son	1890	10	St. Paul	Went to school
Anna Smith	10	F	Daughter	1890	10	St. Paul	Went to school
Charles Smith	8	M	Son	1890	10	St. Paul	Went to school
Frederick Smith	6	M	Son	1890	10	St. Paul	Went to school
Harriet Smith	4	F	Daughter	1890	10	St. Paul	Went to school
Robert Smith	3	M	Son	1890	10	St. Paul	Went to school
John Smith	2	M	Son	1890	10	St. Paul	Went to school
Mary Smith	1	F	Daughter	1890	10	St. Paul	Went to school

**Please cancel claims 1-32 and 35 without prejudice.**